

Title (en)

Apparatus for detecting abnormality of gas supply equipment and method for detecting same.

Title (de)

Verfahren und Vorrichtung zur Erkennung von Abnormalitäten in einer Anlage zur Gasversorgung.

Title (fr)

Procédé et dispositif pour détecter une anomalie dans une installation d'alimentation de gaz.

Publication

EP 0591886 A3 19941012 (EN)

Application

EP 93115967 A 19931004

Priority

- JP 26584392 A 19921005
- JP 26584492 A 19921005
- JP 33023592 A 19921210
- JP 33262492 A 19921214
- JP 33262592 A 19921214
- JP 33841392 A 19921218

Abstract (en)

[origin: EP0591886A2] The present invention provides a abnormality detecting apparatus capable of constantly monitoring even a slight amount of gas which has leaked by checking gas supply pipe when it is detected that the pressure regulating function of a pressure regulator is abnormal. The present invention also provides a abnormality detecting apparatus capable of detecting abnormality of regulated pressure of a pressure regulator appropriately by comparing the regulated pressure with a predetermined low value of a pressure regulating range when gas flow rate is great and with a predetermined high value of a pressure regulating range when gas flow rate is small. <IMAGE>

IPC 1-7

F23N 5/24; **G08B 21/00**

IPC 8 full level

F23N 5/24 (2006.01); **G01M 3/28** (2006.01)

CPC (source: EP KR US)

F23N 5/24 (2013.01 - KR); **F23N 5/242** (2013.01 - EP US); **G01M 3/2807** (2013.01 - EP US); **F23N 2231/18** (2020.01 - EP US); **Y10T 137/8326** (2015.04 - EP US)

Citation (search report)

- [A] EP 0503925 A1 19920916 - AGENCY IND SCIENCE TECHN [JP]
- [A] US 4915613 A 19900410 - LANDIS WILLIAM R [US], et al
- [DA] PATENT ABSTRACTS OF JAPAN vol. 14, no. 494 (P - 1123) 26 October 1990 (1990-10-26)
- [DA] PATENT ABSTRACTS OF JAPAN vol. 016, no. 290 (M - 1272) 26 June 1992 (1992-06-26)

Cited by

EP1691063A3; CN104133349A; GB2472860A

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0591886 A2 19940413; **EP 0591886 A3 19941012**; **EP 0591886 B1 19970820**; AU 4876393 A 19940421; AU 654782 B2 19941117; CA 2107648 A1 19940406; CA 2107648 C 19960910; CN 1049725 C 20000223; CN 1093464 A 19941012; DE 69313230 D1 19970925; DE 69313230 T2 19980219; KR 940009575 A 19940520; KR 970010319 B1 19970625; US 5554976 A 19960910

DOCDB simple family (application)

EP 93115967 A 19931004; AU 4876393 A 19931004; CA 2107648 A 19931004; CN 93119614 A 19931005; DE 69313230 T 19931004; KR 930020469 A 19931005; US 13161393 A 19931005